

GenCore Version 5.1.6  
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OM protein - protein search, using sw model

Run on: June 25, 2003, 14:42:11 ; Search time 11.4264 Seconds  
(Without alignments)  
283.251 Million cell updates/sec

Title: US-09-622-613B-15

Perfect score: 602

Sequence: 1 QMNAFQOKHIIITPICNT.....ICVKCENQYVHPFAGIGRCP 110

Scoring table: BLOSUM62

Gapop 10.0, Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database:

Issued\_Patents\_AA:\*  
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2: /cgn2\_6/ptodata/1/1aa/5B-COMB.pep:\*  
3: /cgn2\_6/ptodata/1/1aa/6A-COMB.pep:\*  
4: /cgn2\_6/ptodata/1/1aa/6B-COMB.pep:\*  
5: /cgn2\_6/ptodata/1/1aa/PTUS-COMB.pep:\*  
6: /cgn2\_6/ptodata/1/1aa/backfiles1.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	588.5	97.8	111	2	US-08-891-848-12
2	588.5	97.8	111	3	US-08-875-811-8
3	284.5	17.3	104	1	US-08-467-955-2
4	277.5	16.1	104	4	US-09-394-268-1
5	277.5	16.1	104	4	US-09-687-748-1
6	277.5	16.1	129	3	US-08-875-811-63
7	277.5	16.1	379	3	US-08-875-811-43
8	274.5	15.6	104	1	US-08-283-971-1
9	274.5	15.6	104	1	US-07-921-619-1
10	274.5	15.6	104	1	US-08-467-955-1
11	274.5	15.6	104	2	US-08-891-848-13
12	274.5	15.6	105	3	US-08-875-811-39
13	274.5	15.6	355	3	US-08-875-811-41
14	274.5	15.6	358	3	US-08-875-811-51
15	272.5	14.3	104	3	US-08-875-811-1
16	272.5	14.3	104	4	US-09-394-268-2
17	272.5	14.3	104	4	US-09-071-672-1
18	272.5	14.3	104	4	US-09-687-748-2
19	272.5	14.3	106	3	US-08-875-811-28
20	272.5	14.3	107	3	US-08-875-811-30
21	272.5	14.3	112	3	US-08-875-811-32
22	272.5	14.3	251	3	US-08-875-811-59
23	272.5	14.3	254	3	US-08-875-811-61
24	272.5	14.3	355	3	US-08-875-811-49
25	272.5	14.3	355	3	US-08-875-811-57
26	272.5	14.3	355	3	US-08-875-811-64
27	272.5	14.3	366	3	US-08-875-811-55

28	267.5	44.4	105	3	US-08-875-811-24	Sequence 24, Appl.
29	267.5	44.4	105	3	US-08-875-811-26	Sequence 26, Appl.
30	263.5	43.8	358	3	US-08-875-811-45	Sequence 45, Appl.
31	263.5	43.8	365	3	US-08-875-811-53	Sequence 53, Appl.
32	249.5	41.4	107	3	US-08-875-811-20	Sequence 20, Appl.
33	239.5	39.8	111	3	US-08-875-811-70	Sequence 70, Appl.
34	236	39.2	114	4	US-09-223-118-3	Sequence 3, Appl.
35	227.5	37.8	360	3	US-08-875-811-47	Sequence 47, Appl.
36	227	37.7	114	4	US-09-223-118-2	Sequence 2, Appl.
37	226	37.5	114	4	US-09-223-118-1	Sequence 1, Appl.
38	225	37.4	114	4	US-09-223-118-4	Sequence 4, Appl.
39	206	34.2	83	3	US-08-875-811-2	Sequence 2, Appl.
40	206	34.2	83	4	US-09-071-672-3	Sequence 3, Appl.
41	163	27.1	169	1	US-08-441-629-2	Sequence 2, Appl.
42	163	27.1	169	3	US-08-776-207-2	Sequence 2, Appl.
43	163	27.1	169	4	US-09-507-773-2	Sequence 2, Appl.
44	163	27.1	169	5	PCT-US95-09172-2	Sequence 2, Appl.
45	124.5	20.7	125	6	5171845-2	Patent No. 5171845

### ALIGNMENTS

RESULT 1  
US-08-891-848-12  
Sequence 12, Application US/08891848  
Patent No. 5955073  
GENERAL INFORMATION:  
APPLICANT: Rybak, Susanna M.  
APPLICANT: Youle, Richard J.  
APPLICANT: Newton, Dianne L.  
APPLICANT: Nicholls, Peter J.  
TITLE OF INVENTION: Selective Rhase Cytotoxic Reagents  
NUMBER OF SEQUENCES: 19  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Townsend and Townsend and Crew LLP  
STREET: Two Embarcadero Center, Eighth Floor  
CITY: San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94111-3834  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/891,848  
FILING DATE: No. 5955073 yet assigned  
CLASSIFICATION: 530  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/125,462  
FILING DATE: 22-SEP-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/014,082  
FILING DATE: 04-FEB-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/779,195  
FILING DATE: 22-OCT-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/510,696  
FILING DATE: 20-APR-1990  
ATTORNEY/AGENT INFORMATION:  
NAME: Weber, Ellen Lauver  
REGISTRATION NUMBER: 32,762  
REFERENCE/DOCKET NUMBER: 015280-11031005  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 576-0200  
TELEFAX: (415) 576-0300  
INFORMATION FOR SEQ ID NO: 12:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 111 amino acids  
TYPE: amino acid

STRANDEDNESS:  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
FEATURE:  
NAME/KEY: Protein  
LOCATION: 1..111  
OTHER INFORMATION: /note="Frog Lectin from Rana  
US-08-891-848-12 catesbelana"

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Best Local Similarity 98.2%: Pred. No. 4.5e-61;  
Matches 109; Conservative 1; Mismatches 0; Indels 1; Gaps 1;

QY 1 QNMATFOOKHIIPII-CNTIMDNNTIYVGGCKRVNTFISSATVKAICGVINMV 59  
:|||||  
Db 1 ENMATFOOKHIIPIIINCNITIMDNNTIYVGGCKRVNTFISSATVKAICGVINMV 60  
:|||||

OY 60 LSTRFOLNCTRTSITPRCPYSSRTETNYICVKCENQYVHFAGIGRCP 110  
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Db 61 LSTRFOLNCTRTSITPRCPYSSRTETNYICVKCENQYVHFAGIGRCP 111  
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RESULT 2  
US-08-875-811-8  
Sequence 8, Application US/08875811  
Patent No. 6045793  
GENERAL INFORMATION:  
APPLICANT: Rybak, Susanna M.  
APPLICANT: Newton, Dianne L.  
APPLICANT: Boque, Luis  
APPLICANT: Wlodawer, Alexander  
TITLE OF INVENTION: Recombinant Ribonuclease Proteins  
NUMBER OF SEQUENCES: 64  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Townsend and Townsend and Crew LLP  
STREET: Two Embarcadero Center, Eighth Floor  
CITY: San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94111-3834  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/875,811  
FILING DATE: 19-FEB-1998  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: WO PCT/US97/02588  
FILING DATE: 19-FEB-1997  
APPLICATION DATA:  
APPLICATION NUMBER: US 60/011,800  
FILING DATE: 21-FEB-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Faris, Susan K.  
REGISTRATION NUMBER: 41,739  
REFERENCE/DOCKET NUMBER: 015280-244100US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 576-0200  
TELEFAX: (415) 576-0300  
INFORMATION FOR SEQ ID NO: 8:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 111 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
FEATURE:  
NAME/KEY: Protein  
LOCATION: 1..111

OTHER INFORMATION: /note="Frog Lectin from Rana  
US-08-875-811-8 catesbelana"

Query Match 97.8%: Score 588.5; DB 3; Length 111;  
Best Local Similarity 98.2%: Pred. No. 4.5e-61;  
Matches 109; Conservative 1; Mismatches 0; Indels 1; Gaps 1;

QY 1 QNMATFOOKHIIPII-CNTIMDNNTIYVGGCKRVNTFISSATVKAICGVINMV 59.  
:|||||  
Db 1 ENMATFOOKHIIPIIINCNITIMDNNTIYVGGCKRVNTFISSATVKAICGVINMV 60  
:|||||

OY 60 LSTRFOLNCTRTSITPRCPYSSRTETNYICVKCENQYVHFAGIGRCP 110  
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Db 61 LSTRFOLNCTRTSITPRCPYSSRTETNYICVKCENQYVHFAGIGRCP 111  
:|||||

RESULT 3  
US-08-467-955-2  
Sequence 2, Application US/08467955  
Patent No. 5728805  
GENERAL INFORMATION:  
APPLICANT: Ardelt Ph.D, Wojciech J.  
TITLE OF INVENTION: PHARMACEUTICALS AND METHOD FOR MAKING THEM  
NUMBER OF SEQUENCES: 2  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Mark H. Jay, P.A.  
STREET: P.O. Box E  
CITY: Short Hills  
STATE: New Jersey  
COUNTRY: USA  
ZIP: 07078-0383  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.24  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/467,955  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/178,118  
FILING DATE: 06-APR-1988  
APPLICATION DATA:  
APPLICATION NUMBER: US 07/436,141  
FILING DATE: 13-NOV-1989  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/814,332  
FILING DATE: 03-FEB-1992  
APPLICATION DATA:  
APPLICATION NUMBER: US 08/283,970  
FILING DATE: 01-AUG-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Jay, Mark H.  
REGISTRATION NUMBER: 27507  
REFERENCE/DOCKET NUMBER: 5007 US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 201-912-9066  
TELEFAX: 201-912-0442  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 104 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
HYPOTHETICAL: N  
ANTI-SENSE: N  
FRAGMENT TYPE: N-terminal  
ORIGINAL SOURCE:  
ORGANISM: Rana pipiens

DEVELOPMENTAL STAGE: Oocyte  
US-08-467-955-2

Query Match 47.38; Score 284.5; DB 1; Length 104;  
Best Local Similarity 49.58; Pred. No. 7.6e-26;  
Matches 55; Conservative 16; Mismatches 31; Indels 9; Gaps 4;

OY 1 QNATFOCKHINT-PIICNTIMDNIIYVGGCKRVNTFLISSATVKAICTGVI-NMN 58  
DB 1 EDMLTFCKKHITNRDVCNDIMSTNLF---HCKDKNTFLYSRPEPVKAICKGIIASKN 56

OY 59 VLSITRQLNTCTRTSTTPRCPYSSRTETNYICVKCENQPVHFGAGICRC 109  
DB 57 VLTISEFYLSDC---NVTSRCKYKLLKSTNKFVTCENQAPVHFGVGSRC 104

RESULT 4  
US-09-394-268-1

Sequence 1, Application US/09394268  
Patent No. 6175003  
GENERAL INFORMATION:  
APPLICANT: Saxena, Shalendra K  
TITLE OF INVENTION: NUCLEIC ACIDS ENCODING RIBONUCLEASES AND METHODS OF  
FILE REFERENCE: 5013  
CURRENT APPLICATION NUMBER: US/09/394,268  
CURRENT FILING DATE: 1999-09-10  
NUMBER OF SEQ ID NOS: 8  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 1  
LENGTH: 104  
TYPE: PRT  
ORGANISM: Rana pipiens  
US-09-394-268-1

Query Match 46.18; Score 277.5; DB 4; Length 104;  
Best Local Similarity 49.58; Pred. No. 4.9e-25;  
Matches 55; Conservative 15; Mismatches 32; Indels 9; Gaps 4;

OY 1 QNATFOCKHINT-PIICNTIMDNIIYVGGCKRVNTFLISSATVKAICTGVI-NMN 58  
DB 1 QDWLTFCKKHITNRDVCNDIMSTNLF---HCKDKNTFLYSRPEPVKAICKGIIASKN 56

OY 59 VLSITRQLNTCTRTSTTPRCPYSSRTETNYICVKCENQPVHFGAGICRC 109  
DB 57 VLTISEFYLSDC---NVTSRCKYKLLKSTNKFVTCENQAPVHFGVGSRC 104

RESULT 5  
US-09-687-748-1

Sequence 1, Application US/09687748  
Patent No. 6423515  
GENERAL INFORMATION:  
APPLICANT: Saxena, Shalendra K  
TITLE OF INVENTION: METHODS OF MAKING NUCLEIC ACIDS ENCODING RIBONUCLEASES  
FILE REFERENCE: 5013 US 01  
CURRENT APPLICATION NUMBER: US/09/687,748  
CURRENT FILING DATE: 2000-10-14  
PRIOR APPLICATION NUMBER: 09/394,268  
PRIOR FILING DATE: 1999-09-10  
NUMBER OF SEQ ID NOS: 8  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 1  
LENGTH: 104  
TYPE: PRT  
ORGANISM: Rana pipiens  
US-09-687-748-1

Query Match 46.18; Score 277.5; DB 4; Length 104;  
Best Local Similarity 49.58; Pred. No. 4.9e-25;  
Matches 55; Conservative 15; Mismatches 32; Indels 9; Gaps 4;

OY 1 QNATFOCKHINT-PIICNTIMDNIIYVGGCKRVNTFLISSATVKAICTGVI-NMN 58

DB 1 QDWLTFCKKHITNRDVCNDIMSTNLF---HCKDKNTFLYSRPEPVKAICKGIIASKN 56

OY 59 VLSITRQLNTCTRTSTTPRCPYSSRTETNYICVKCENQPVHFGAGICRC 109  
DB 57 VLTISEFYLSDC---NVTSRCKYKLLKSTNKFVTCENQAPVHFGVGSRC 104

RESULT 6  
US-08-875-811-63

Sequence 63, Application US/08875811  
Patent No. 6045793  
GENERAL INFORMATION:  
APPLICANT: Rybak, Susanna M.  
APPLICANT: Newton, Dianne L.  
APPLICANT: Bogue, Luis  
APPLICANT: Wlodaver, Alexander  
TITLE OF INVENTION: Recombinant Ribonuclease Proteins  
NUMBER OF SEQUENCES: 64  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Townsend and Townsend and Crew LLP  
STREET: Two Embarcadero Center, Eighth Floor  
CITY: San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94111-3834

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/875,811  
FILING DATE: 19-FEB-1998  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: WO PCT/US97/02588  
FILING DATE: 19-FEB-1997  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 60/011,800  
FILING DATE: 21-FEB-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Faris, Susan K.  
REGISTRATION NUMBER: 41,739  
REFERENCE/DOCKET NUMBER: 015280-244100US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 576-0200  
TELEFAX: (415) 576-0300  
INFORMATION FOR SEQ ID NO: 63:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 129 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-875-811-63

Query Match 46.18; Score 277.5; DB 3; Length 129;  
Best Local Similarity 49.58; Pred. No. 6.4e-25;  
Matches 55; Conservative 15; Mismatches 32; Indels 9; Gaps 4;

OY 1 QNATFOCKHINT-PIICNTIMDNIIYVGGCKRVNTFLISSATVKAICTGVI-NMN 58  
DB 26 QDWLTFCKKHITNRDVCNDIMSTNLF---HCKDKNTFLYSRPEPVKAICKGIIASKN 81

OY 59 VLSITRQLNTCTRTSTTPRCPYSSRTETNYICVKCENQPVHFGAGICRC 109  
DB 82 VLTISEFYLSDC---NVTSRCKYKLLKSTNKFVTCENQAPVHFGVGSRC 129

RESULT 7  
US-08-875-811-43  
Sequence 43, Application US/08875811  
Patent No. 6045793

GENERAL INFORMATION:  
APPLICANT: Rybak, Susanna M.  
APPLICANT: Newton, Dianne L.  
APPLICANT: Boque, Luis  
APPLICANT: Mlodawer, Alexander  
TITLE OF INVENTION: Recombinant Ribonuclease Proteins  
NUMBER OF SEQUENCES: 64  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Townsend and Townsend and Crew LLP  
STREET: Two Embarcadero Center, Eighth Floor  
CITY: San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94111-3834  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/875,811  
FILING DATE: 19-FEB-1998  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: WO PCT/US97/02588  
FILING DATE: 19-FEB-1997  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 60/011,800  
FILING DATE: 21-FEB-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Fatis, Susan K.  
REGISTRATION NUMBER: 41,739  
REFERENCE/DOCKET NUMBER: 015280-244100US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 576-0200  
TELEFAX: (415) 576-0300  
INFORMATION FOR SEQ ID NO: 43:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 379 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-875-811-43

Query Match 46.1%; Score 277.5; DB 3; Length 379;  
Best Local Similarity 49.5%; Pred. No. 2.4e-24;  
Matches 55; Conservative 15; Mismatches 32; Indels 9; Gaps 4;

OY 1 QNMATFOCKHINT-PIICNTIMDNIIYVGQCKRVNTFISSATVKAICTGYI-MNM 58  
DB 26 QDWLFQCKHINTRDVDCDNIMSTNLF---HCKDKMTFIYSRPEPYKAICKIGIASKN 81  
OY 59 VLSITRFLQNTCTRISITPRCPYSSRTETNYICVCKCENQYPVHFAGIGRC 109  
DB 82 VLTISEFLSDC---NVTSRCPCKYKLRKSTNKFVTCENQAPVHFVGSGC 129

RESULT 8  
US-08-283-971-1  
Sequence 1, Application US/08283971  
Patent No. 5529775  
GENERAL INFORMATION:  
APPLICANT: Ardeit Ph.D, Wojciech J.  
APPLICANT: Mikulski, Stanislaw M.  
TITLE OF INVENTION: PHARMACEUTICAL FOR TREATING TUMORS IN HUMANS  
NUMBER OF SEQUENCES: 1  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Mark H. Jay, P.C.  
STREET: P.O. Box 020083, General Post Office  
CITY: Brooklyn  
STATE: New York  
COUNTRY: USA  
ZIP: 11202-0002

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.24  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/283,971  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/921,180  
FILING DATE: 30-JUL-1992  
APPLICATION NUMBER: US 07/178,118  
FILING DATE: 06-APR-1988  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/436,141  
FILING DATE: 13-NOV-1989  
ATTORNEY/AGENT INFORMATION:  
NAME: Jay, Mark H.  
REGISTRATION NUMBER: 27507  
REFERENCE/DOCKET NUMBER: 5006 US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 718-625-0399  
TELEFAX: 718-625-0399  
TELEX: NO. 5529775 Applicable  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 104 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
HYPOTHETICAL: N  
ANTI-SENSE: N  
FRAGMENT TYPE: N-terminal  
ORIGINAL SOURCE:  
ORGANISM: Rana pipiens  
DEVELOPMENTAL STAGE: Embryo  
US-08-283-971-1

Query Match 45.6%; Score 274.5; DB 1; Length 104;  
Best Local Similarity 48.6%; Pred. No. 1.1e-24;  
Matches 54; Conservative 16; Mismatches 32; Indels 9; Gaps 4;

OY 1 QNMATFOCKHINT-PIICNTIMDNIIYVGQCKRVNTFISSATVKAICTGYI-MNM 58  
DB 1 EDWLTFQCKHINTRDVDCDNIMSTNLF---HCKDKMTFIYSRPEPYKAICKIGIASKN 56  
OY 59 VLSITRFLQNTCTRISITPRCPYSSRTETNYICVCKCENQYPVHFAGIGRC 109  
DB 57 VLTISEFLSDC---NVTSRCPCKYKLRKSTNKFVTCENQAPVHFVGSGC 104

RESULT 9  
US-07-921-619-1  
Sequence 1, Application US/07921619  
Patent No. 5595734  
GENERAL INFORMATION:  
APPLICANT: Ardeit Ph.D, Wojciech J.  
APPLICANT: Mikulski, Stanislaw M.  
TITLE OF INVENTION: PHARMACEUTICAL FOR TREATING TUMORS IN HUMANS  
NUMBER OF SEQUENCES: 1  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Mark H. Jay, P.C.  
STREET: P.O. Box 020083, General Post Office  
CITY: Brooklyn  
STATE: New York  
COUNTRY: USA  
ZIP: 11202-0002  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS

RESULT 10  
US-08-467-955-1  
Sequence 1, Application US/08451955  
Patent No. 5728895  
GENERAL INFORMATION:  
APPLICANT: Adelt Ph.D, Wojciech J.  
TITLE OF INVENTION: PHARMACEUTICALS  
NUMBER OF SEQUENCES: 2  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Mark H. Jay, P.A.  
STREET: P.O. Box E  
CITY: Short Hills  
STATE: New Jersey  
COUNTRY: USA  
ZIP: 07078-0383  
COMPUTER READABLE FORM:  
MEDIUM TYPE: floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.24  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/467,955  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/178,118

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1      RESULT 11
2      US-08-891-848-13
3      :
4      : Sequence 13 Application US/08891848
5      :
6      : Patent No. 5955073
7      :
8      : GENERAL INFORMATION:
9      :
10     : APPLICANT: Rybak, Susanna M.
11     : APPLICANT: Youle, Richard J.
12     : APPLICANT: Newton, Dianne L.
13     : APPLICANT: Nicholls, Peter J.
14     : TITLE OF INVENTION: Selective RNase Cytotoxic Reagents
15     :
16     : NUMBER OF SEQUENCES: 19
17     :
18     : CORRESPONDENCE ADDRESS:
19     :
20     : ADDRESSEE: Townsend and Townsend and Crew LLP
21     :
22     : STREET: Two Embarcadero Center, Eighth Floor
23     :
24     : CITY: San Francisco
25     :
26     : STATE: California
27     :
28     : COUNTRY: USA
29     :
30     : ZIP: 94111-3834
31     :
32     : COMPUTER READABLE FORM:
33     :
34     : MEDIUM TYPE: Floppy disk
35     :
36     : COMPUTER: IBM PC compatible
37     :
38     : OPERATING SYSTEM: PC-DOS/MS-DOS
39     :
40     : SOFTWARE: PatentIn Release #1.0, Version #1.30
41     :
42     : CURRENT APPLICATION DATA:
43     :
44     : APPLICATION NUMBER: US/08/891,848
45     :
46     : FILING DATE: NO.5955073 yet assigned
47     :
48     : CLASSIFICATION: 530
49     :
50     :

```

RESULT 13  
 US-08-875-811-41  
 : Sequence 41, Application US/08875811  
 Patent No. 6043793  
 GENERAL INFORMATION:  
 APPLICANT: Rybak, Susanna M.  
 APPLICANT: Newton, Dianne L.  
 APPLICANT: Boque, Lluis  
 APPLICANT: Wlodawer, Alexander  
 TITLE OF INVENTION: Recombinant Ribonuclease Proteins  
 NUMBER OF SEQUENCES: 64  
 CORRESPONDENCE ADDRESSES:  
 ADDRESSEE: Townsend and Townsend and Crew LLP  
 STREET: Two Embarcadero Center, Eighth Floor  
 CITY: San Francisco  
 STATE: California  
 COUNTRY: USA  
 ZIP: 94111-3834  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/875,811  
 FILING DATE: 19-FEB-1998  
 CLASSIFICATION: 435  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: WO  
 FILING DATE: 19-FEB-1997  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 60/011,800  
 FILING DATE: 21-FEB-1996  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Farls, Susan K.  
 REGISTRATION NUMBER: 41,739  
 REFERENCE/DOCKET NUMBER: 015280-244100US  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (415) 576-0200

TELEFAX: (415) 576-0300  
INFORMATION FOR SEQ ID NO: 41:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 355 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-875-811-41

Query Match 45.6%; Score 274.5; DB 3; Length 355;  
Best Local Similarity 48.6%; Pred. No. 4.9e-24;  
Matches 54; Conservative 16; Mismatches 32; Indels 9; Gaps 4;

QY 1 ONMATFOOKHINT-PIICNTIMDNNIYVGGCKRVNFTLISATVKAICGVI-NMN 58  
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Db 252 EDWLTFCKKHITTRVDCCDINSTNLF---HCKDKNTFYSPPEYKAKGIIASKN 307  
: : | | | | | | | | : : | | | | | | | | : : | | | | | | | | : : | | | | | | | |  
QY 59 VLSITRQLNCTRTSTTPRCPPSSRTETNYICVKCENQYPVHFGIGRC 109  
: : | | | | | | | | : : | | | | | | | | : : | | | | | | | | : : | | | | | | | |  
Db 308 VLTTSSEFYLSDC--NVTSRCKYKLLKSTNKKFCVTCENQAPVHFGVGS 355  
: : | | | | | | | | : : | | | | | | | | : : | | | | | | | | : : | | | | | | | |

RESULT 14  
US-08-875-811-51  
Sequence 51, Application US/08875811  
Patent No. 6045793

## GENERAL INFORMATION:

APPLICANT: Rybak, Susanna M.  
APPLICANT: Newton, Dianne L.

APPLICANT: Boque, Luis

APPLICANT: Wlodawer, Alexander

TITLE OF INVENTION: Recombinant Ribonuclease Proteins

NUMBER OF SEQUENCES: 64

CORRESPONDENCE ADDRESS:

ADDRESSEE: Townsend and Townsend and Crew LLP

STREET: Two Embarcadero Center, Eighth Floor

CITY: San Francisco

STATE: California

COUNTRY: USA

ZIP: 94111-3834

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent In Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/875,811

FILING DATE: 19-FEB-1998

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: WO PCT/US97/02588

FILING DATE: 19-FEB-1997

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 60/011,800

FILING DATE: 21-FEB-1996

ATTORNEY/AGENT INFORMATION:

NAME: Paris, Susan K.

REGISTRATION NUMBER: 41,739

REFERENCE/DOCKET NUMBER: 015280-244100US

TELECOMMUNICATION INFORMATION:

TELEPHONE: (415) 576-0200

TELEFAX: (415) 576-0300

INFORMATION FOR SEQ ID NO: 51:

SEQUENCE CHARACTERISTICS:

LENGTH: 358 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-875-811-51

Query Match 45.6%; Score 274.5; DB 3; Length 358;  
Best Local Similarity 48.6%; Pred. No. 4.9e-24;  
Matches 54; Conservative 16; Mismatches 32; Indels 9; Gaps 4;

QY 1 ONMATFOOKHINT-PIICNTIMDNNIYVGGCKRVNFTLISATVKAICGVI-NMN 58  
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Db 2 EDWLTFCKKHITTRVDCCDINSTNLF---HCKDKNTFYSPPEYKAKGIIASKN 57  
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QY 59 VLSITRQLNCTRTSTTPRCPPSSRTETNYICVKCENQYPVHFGIGRC 109  
: : | | | | | | | | : : | | | | | | | | : : | | | | | | | | : : | | | | | | | |  
Db 58 VLTTSSEFYLSDC--NVTSRCKYKLLKSTNKKFCVTCENQAPVHFGVGS 105  
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RESULT 15  
US-08-875-811-1  
Sequence 1, Application US/08875811  
Patent No. 6045793

## GENERAL INFORMATION:

APPLICANT: Rybak, Susanna M.  
APPLICANT: Newton, Dianne L.

APPLICANT: Boque, Luis

APPLICANT: Wlodawer, Alexander

TITLE OF INVENTION: Recombinant Ribonuclease Proteins

NUMBER OF SEQUENCES: 64

CORRESPONDENCE ADDRESS:

ADDRESSEE: Townsend and Townsend and Crew LLP

STREET: Two Embarcadero Center, Eighth Floor

CITY: San Francisco

STATE: California

COUNTRY: USA

ZIP: 94111-3834

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent In Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/875,811

FILING DATE: 19-FEB-1998

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: WO PCT/US97/02588

FILING DATE: 19-FEB-1997

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 60/011,800

FILING DATE: 21-FEB-1996

ATTORNEY/AGENT INFORMATION:

NAME: Paris, Susan K.

REGISTRATION NUMBER: 41,739

REFERENCE/DOCKET NUMBER: 015280-244100US

TELECOMMUNICATION INFORMATION:

TELEPHONE: (415) 576-0200

TELEFAX: (415) 576-0300

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:

LENGTH: 104 amino acids

TYPE: amino acid

STRANDEDNESS:

TOPOLOGY: linear

MOLECULE TYPE: protein

FEATURE:

NAME/KEY: protein

LOCATION: 1..104

OTHER INFORMATION: /label= none

OTHER INFORMATION: /note= "native ONCONASE (Registered

OTHER INFORMATION: Trademark) from Rana pipiens"

FEATURE:

NAME/KEY: modified-site

LOCATION: 1

OTHER INFORMATION: /note= "Xaa = pyroglutamic acid"

US-08-875-811-1

Query Match 45.3%; Score 272.5; DB 3; Length 104;  
Best Local Similarity 49.1%; Pred. No. 1.9e-24;  
Matches 54; Conservative 15; Mismatches 32; Indels 9; Gaps 4;

